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**MEC**

Mangum  
Engineering  
Consultants

388 East Boynton Road • Kaysville, Utah 84037 • (801) 544-3641

*Copy PAM, Tom*  
*File 10/10/15/10/15 #2*  
**RECEIVED**

MAY 17 1991

DIVISION OF  
OIL GAS & MINING

Pamela Grubaugh-Littig  
Permit Supervisor  
Utah Division of Oil Gas & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

16 May 1991

Pamela:

Ref: Revised Maps; Hydrology, Bear Canyon Mine, Co-Op Mining Company, 222-0137-023, Emery County, Utah

Attached with this letter are 4 copies of Plates 7-4, 7-5 and 7-6. We have made modifications as requested to improve readability. We have placed a north arrow on Plate 7-4 along with thickening the coal outcrop line so it stands out better. All water rights on record with the Utah Division of Water Rights, in the permit and surrounding area are found on Plate 7-6. If you feel that there is a problem with this please notify us and we can duplicate the information on Plate 7-4. EarthFax Engineering has reviewed the drainage areas shown on Plate 7-5, we have replotted it with the recommended changes. The reproduction quality of this new plot should be apparent.

Thank you,



Kimly C. Mangum, P.E.  
Permitting & Compliance Consultant.

Enclosure(s)  
cc: Co-Op Mining Co.